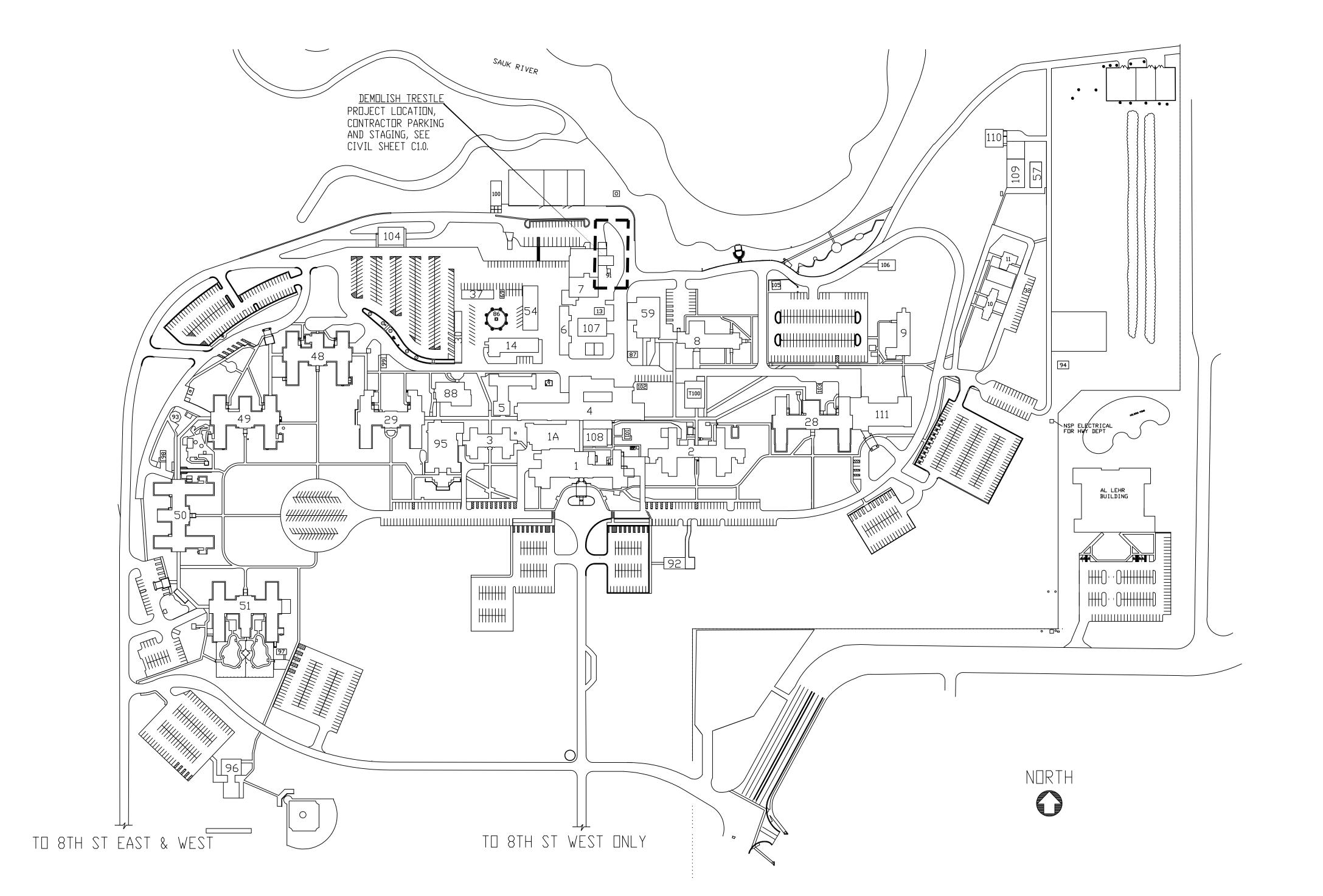
Demolish Trestle At Boiler Plant

St. Cloud VA Health Care System Main Campus, St. Cloud, Minnesota



one eighth inch = one root

0 4 8 16

GENERAL CONDITIONS:

All dimensions on drawings are approximate; Drawings are not to be scaled. It is the responsibility of the contractor to verify all field conditions and physical dimensions that influence the construction area.

It is recommended that contractors visit the proposed construction site prior to submitting their bids and they are encouraged to do so.

Contractor shall adhere strictly to State and Federal Occupational Safety and Health Administration (OSHA) Standards.

Contractor shall park only in the designated parking areas and are not to park on the lawn areas; the only exception is to load or unload supplies or equipment.

Contractor is responsible for the safeguarding of their tools and equipment. All tools and equipment are not to be left unattended and are to be secured at all times when the contractor is not present, or the construction site is not supervised by the contractor.

All VA property is to be safeguarded from damage. Any damaged VA property is to be restored to original condition prior to damage or replaced completely. This includes installation, labor, and procurement expenses.

All demolished material becomes the property and the responsibility of the contractor with the exception of specified items designated either in the plans or verbally requested by the COR to be retained by the VA.

Offsite disposal of the demolished items is the responsibility of the contractor.

Contractor must control demolition and construction dust from facility by erecting a dust barrier and ventilation with hepa filters. If venting to outside, the contractor will insure negative air pressure is maintained in encapsulated work area. When transporting debris, wet down sufficiently to prevent dust spreading.

If scaffolding is used, it must be used in accordance with (OSHA) regulations and is to be enclosed for the first eight feet above ground at end of each working day, until dismantled. Ladders must be removed and locked up at the end of each working day to prevent unauthorized persons from having access.

Clean all debris from construction site to the satisfaction of the CDR.

Contractor is responsible for erecting a barrier around work site to prevent patients, staff and visitors from entering construction site. This fence may be a plastic snow fence. Coordinate construction materials and location of fence with CDR.

Construction barrier to include lockable swinging metal vehicle access gate (5' tall).
Also provide metal mandoor gate, near above mentioned vehicle access, with an egress
panic device to allow exiting from site when vehicle gate is closed and locked.

Contractor is responsible for repairing and replacing any damaged lawn. The restoration will be performed by a landscape contractor that regularly does sodding as part of their business. All damaged lawn will be overcut by 6" or more to accomodate full width rolls of sod. Top soil to be tilled and graded to a smooth matching grade of undamaged lawn. Sod to be thoroughly saturated with water upon placement. The contractor is responsible for watering new sod until acceptance of established lawn restoration by the CDR.

Access to all buildings and parking areas must be maintained throughout the project.

Contractors are to coordinate all work with the Contracting Officers Representative (C.D.R.).

GENERAL SITE NOTES:

 Construction limits as defined and shown on Civil drawings are to encompass project area, equipment and materials storage/staging, and contractor parking. No other areas will be made available to the contractor for these purposes during the completion of this project.

SHEET INDEX

GENERAL:
G1.0 PROJECT COVER SHEET

/IL:

C1.0 SITE PLAN C2.0 GRADING PLAN

C3.0 UTILITY PLAN

C4.0 EROSION CONTROL PLAN C5.0 DETAILS

C5.1 DETAILS

ARCHITECTURAL:

A1.0 EXISTING CONDITIONS
A1.1 EXISTING CONDITIONS

A1.2 EXISTING CONDITIONS
A2.0 WALL ELEVATION

STRUCTURAL:

S1.0 GENERAL STRUCTURAL NOTES AND ABBREVIATIONS

S2.0 DEMOLITION PLANS
S2.1 DEMOLITION SECTION AND SEQUENCE NOTES

S3.0 FRAMING PLANS

S3.1 FRAMING SECTIONS

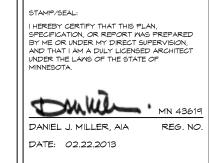
M1.0 UTILITY PLAN AND DETAILS - GAS MAIN

100% CONSTRUCTION DOCUMENTS - FOR CONSTRUCTION

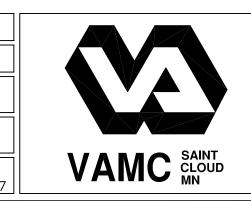
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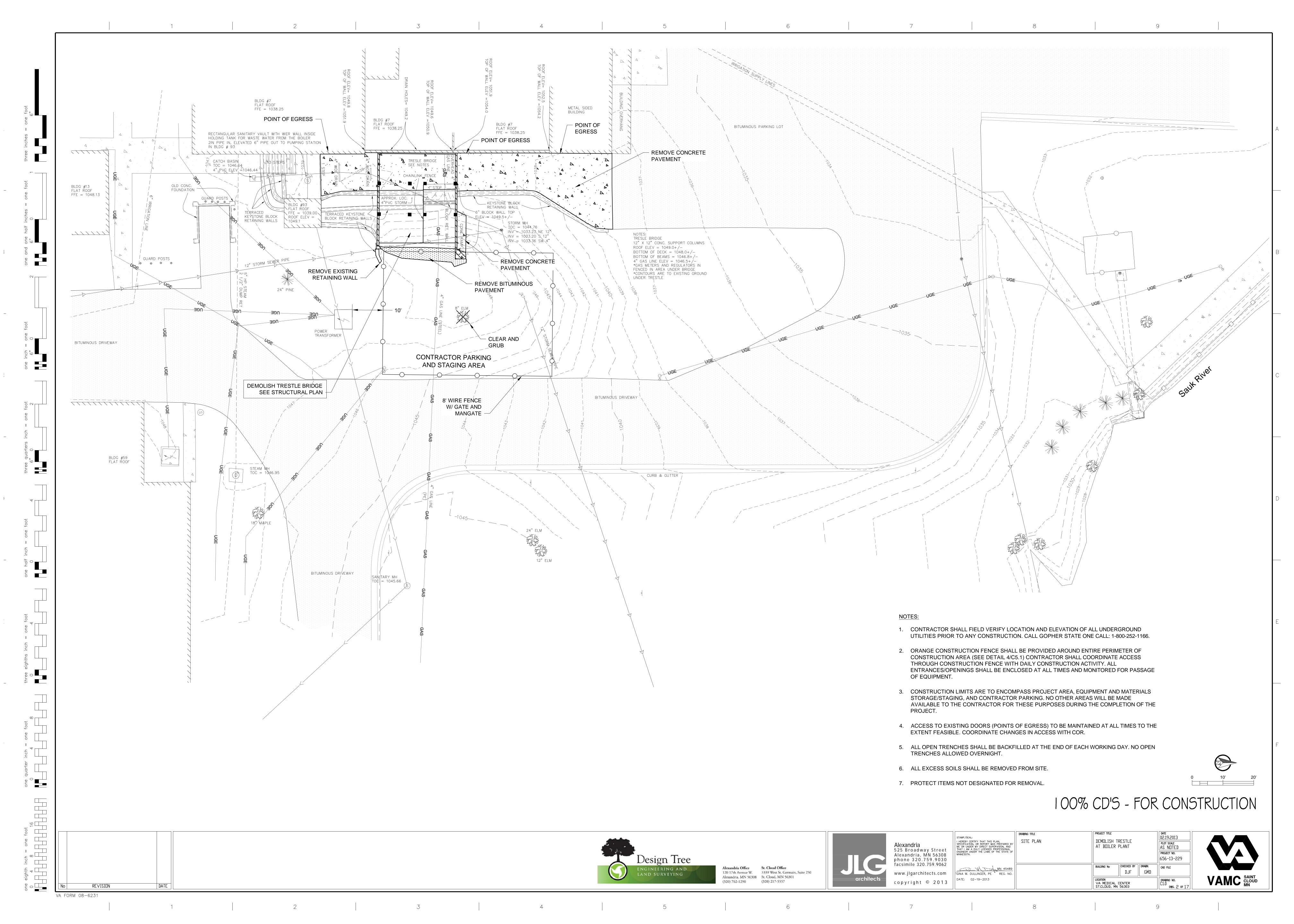


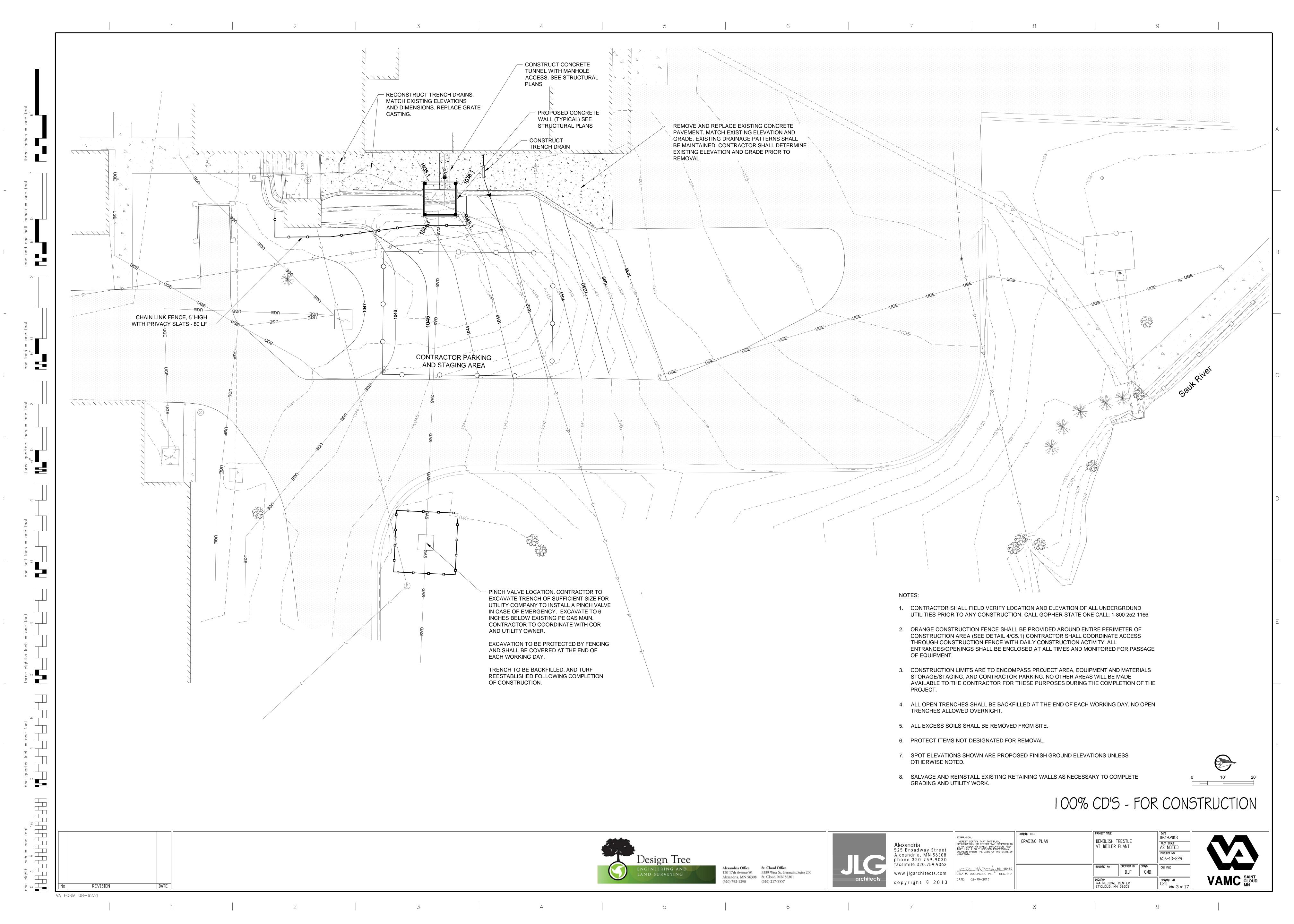
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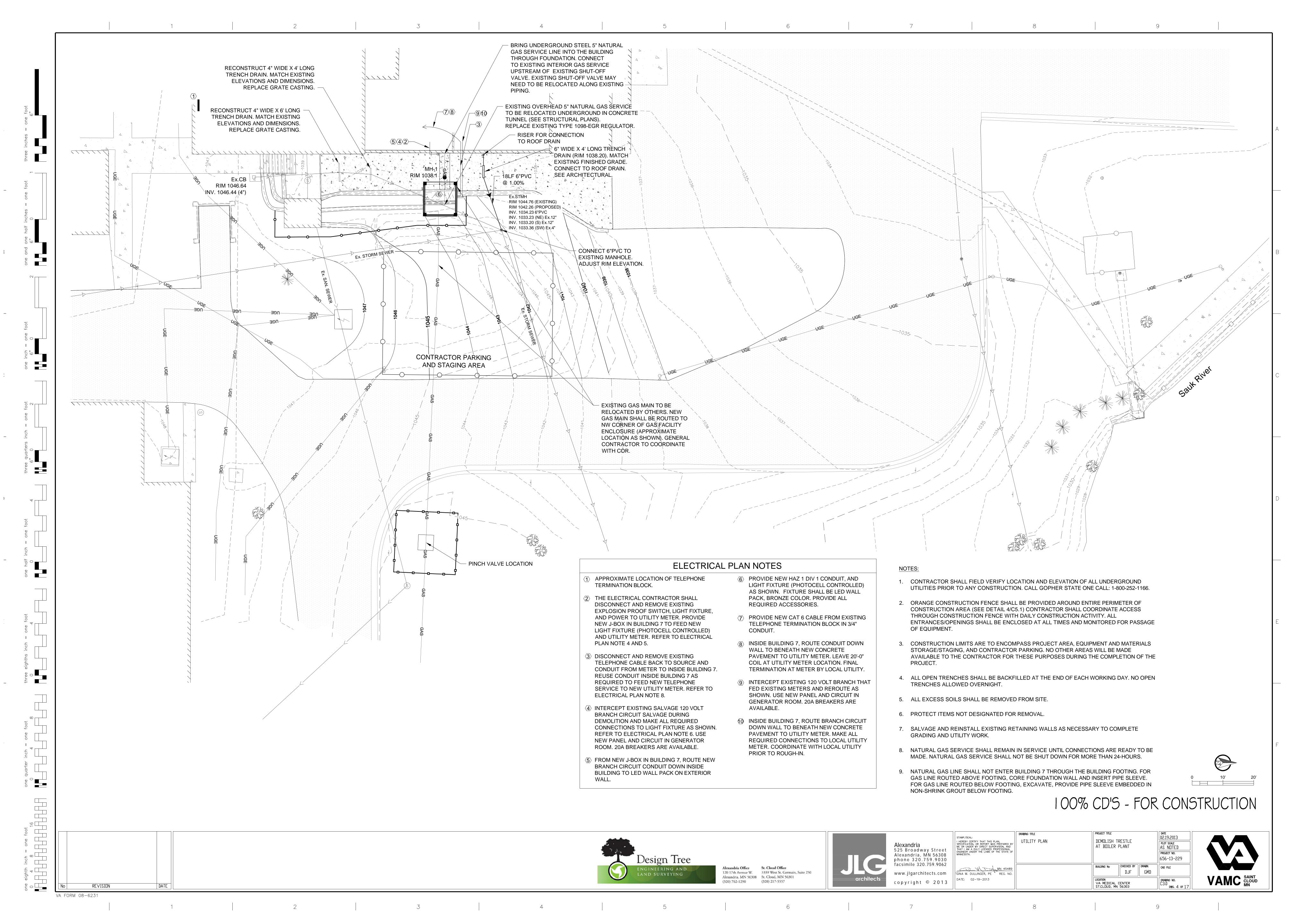


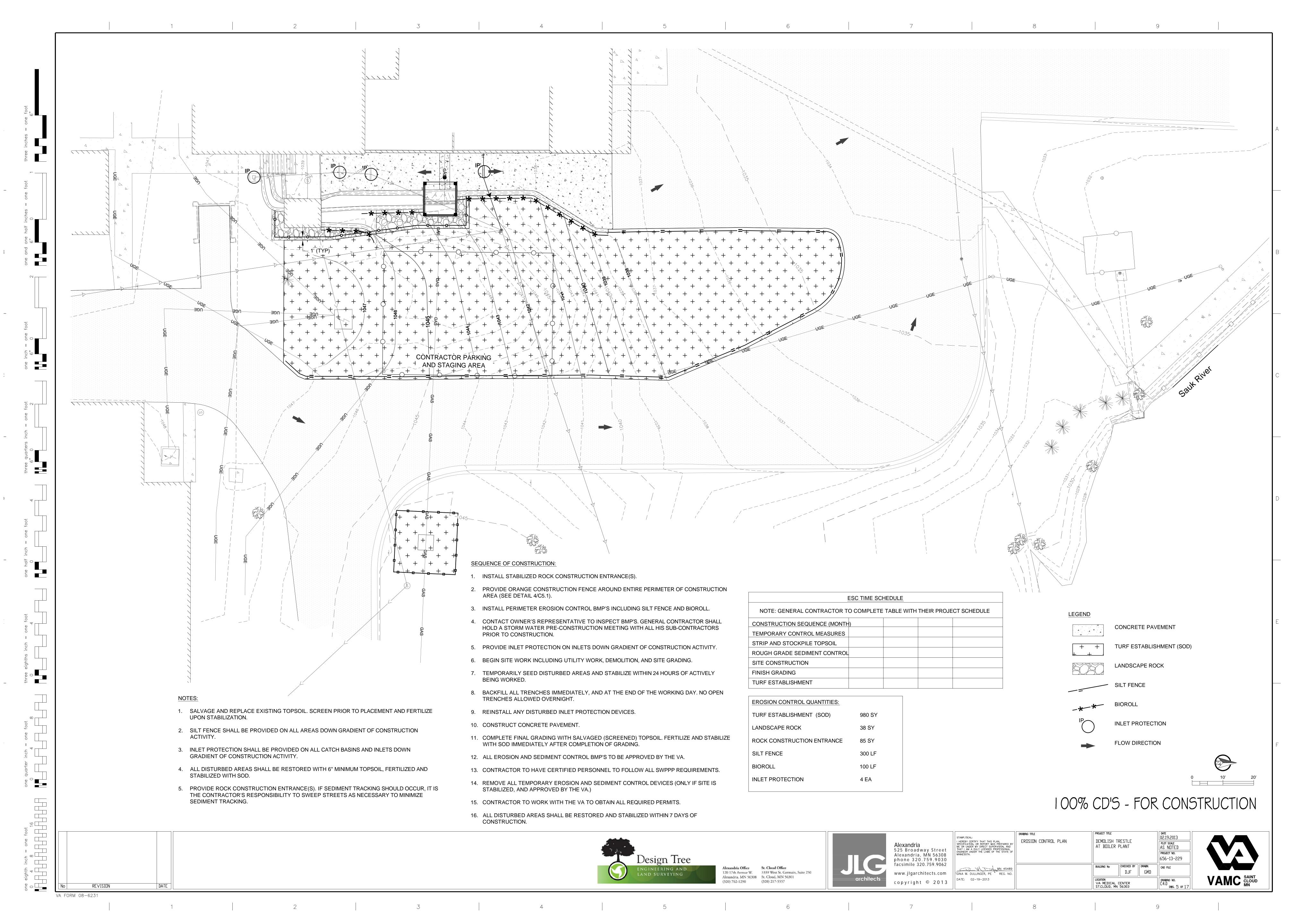
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					PROJECT COVER SHEET
Ш	APPROVED: GEMS COORDINATOR	DATE:	APPROVED: PATIENT SAFETY	DATE:	
Ш					APPROVED: ASSOCIATE HEALTH CARE SYSTEM [
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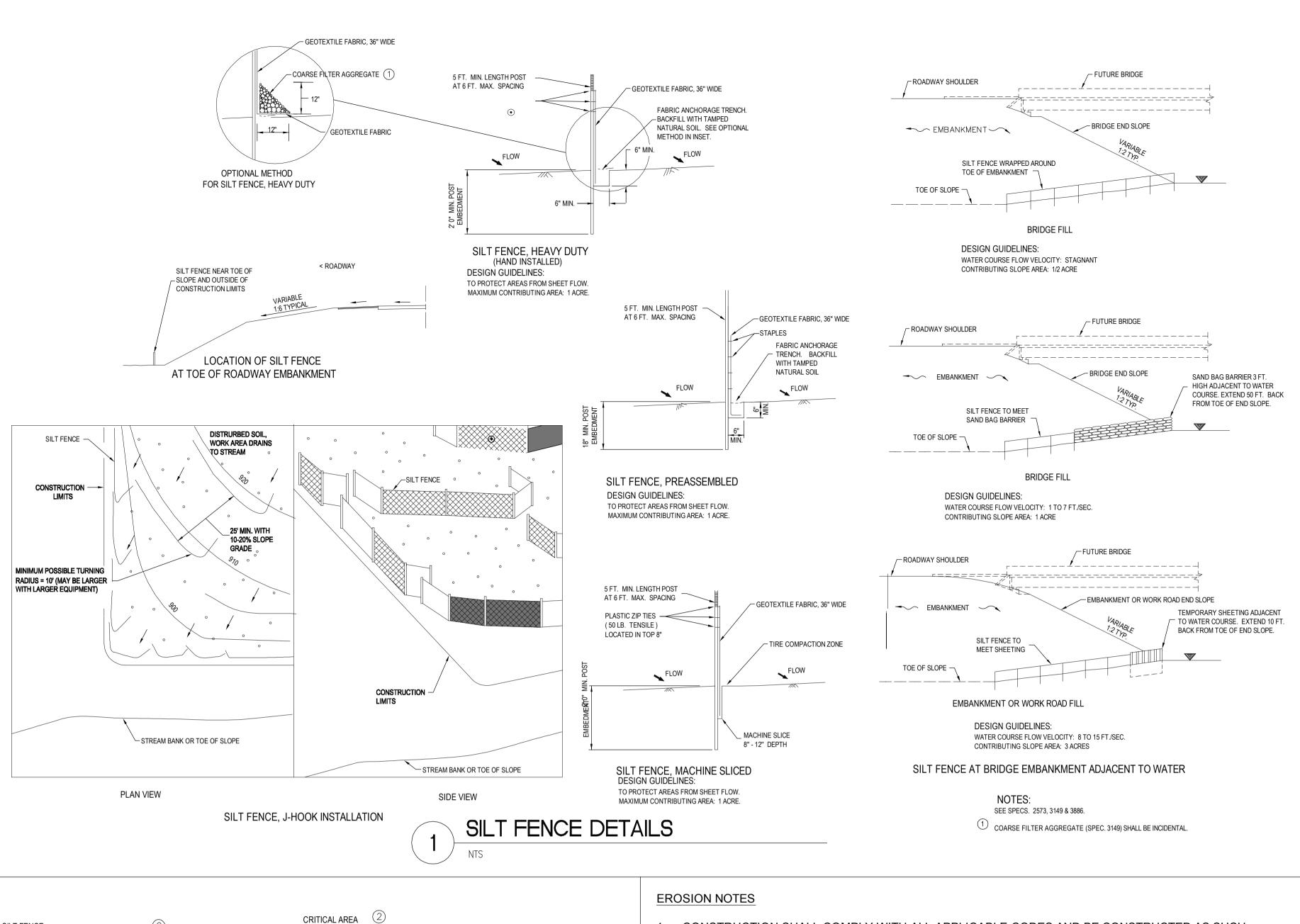












- MACHINE SLICED SILT FENCE

STOCK PILE

CRITICAL AREA (2)

-SILT FENCE, SUPER DUTY

CRITICAL AREA

ACCESS

MACHINE SLICED SILT FENCE —

SILT FENCE -

STOCK PILE CONTAINMENT

ENTRANCE WIDTH

AS REQUIRED

ROCK CONSTRUCTION ENTRANCE

STOCK PILE

CRITICAL

AREA

VA FORM 08-6231

STOCK PILE

ACCESS ROCK PAD

(MINIMUM 6"DEPTH BY

BY THE ENGINEER.

1 HAUL TRUCK LENGTH AND WIDTH LONG)

1) PLACING STOCK PILES NEXT TO AN ENVIRONMENTALLY SENSITIVE AREA

2) CRITICAL AREAS INCLUDE WETLANDS, JUDICIAL DITCHES, STREAMS, WATER

- RADIUS AS

ROCKS AT ENTRANCE CLEAN WORKSITE MUD OFF OF TRUCK TIRES

BEFORE TRUCKS ENTER MAIN ROAD. KEEPING MUD OFF THE ROAD

WILL PREVENT AUTO DAMAGE AND KEEP CONSTRUCTION SEDIMENT

OUT OF DRAINAGE SYSTEMS AND WETLANDS. GEOTEXTILE MAY BE PLACED UNDER THE ROCK TO KEEP ROCKS SEPARATE FROM SOIL.

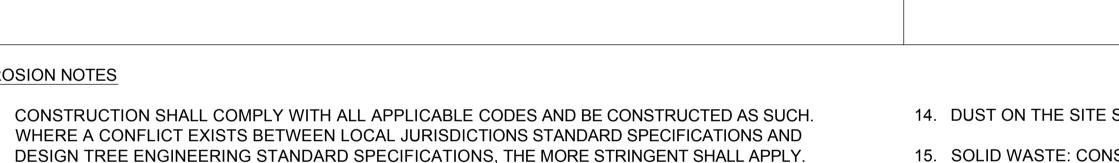
- 6" MIN. DEPTH

OF 1" TO 2" CRUSHED ROCK

SILT FENCE IS TO BE USED AS SHOWN OR AS DIRECTED

BODIES, AND OTHER AREAS REQUIRING PROTECTION.

IS NOT RECOMMENDED. WHEN THERE ARE NO FEASIBLE ALTERNATIVES, THE



- 2. THE CONTRACTOR IS CAUTIONED THAT THE LOCATIONS AND/OR ELEVATIONS OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND THE VA. THE SUBSURFACE UTILITY INFORMATION SHOWN IS LEVEL D. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES. THE LOCATIONS OF UTILITIES SHALL BE OBTAINED BY CALLING MINNESOTA GOPHER STATE ONE CALL AND THE VA.
- THE DESIGN SHOWN IS BASED UPON THE ENGINEERS UNDERSTANDING OF THE EXISTING CONDITIONS. IF CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY, IT WILL BE CONTRACTORS RESPONSIBILITY AND EXPENSE TO HAVE TOPOGRAPHIC SURVEY DONE BY A REGISTERED LAND SURVEYOR AND SUBMIT IT TO OWNER FOR REVIEW.
- 4. THE CONTRACTORS SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES. CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR ANY DAMAGES THAT MAY OCCUR.
- 5. THE SWPPP IS COMPRISED OF THE EROSION AND SEDIMENT CONTROL PLAN, THE STANDARD DETAILS, THE SWPPP NARRATIVE, PLUS THE PERMIT AND ALL RELATED DOCUMENTS.
- 6. THE CONTRACTOR SHALL ASSIST THE VA IN COMPLETING AND SUBMITTING THE APPLICATION FOR THE MPCA GENERAL STORMWATER PERMIT FOR CONSTRUCTION ACTIVITY. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE SWPPP AND NPDES PERMIT AND BECOME FAMILIAR WITH THEIR CONTENTS. THE SWPPP AND ALL OTHER RELATED DOCUMENTS MUST BE KEPT ON SITE DURING CONSTRUCTION. CONTRACTOR MUST PROVIDE CERTIFIED PERSONNEL FOR SWPPP RECORDS.
- CONTRACTOR SHALL IMPLEMENT BMP'S AS REQUIRED BY THE SWPPP AND PERMITS. THE CONTRACTOR SHALL OVERSEE THE INSPECTION AND MAINTENANCE OF THE BMP'S AND EROSION AND SEDIMENT PREVENTION FROM BEGINNING OF CONSTRUCTION TO COMPLETION OF CONSTRUCTION, AND NOTICE OF COMPLETION HAS BEEN FILED WITH THE MPCA BY EITHER THE OWNER OR THE OPERATOR ON THE PERMIT. ADDITIONAL BMP'S AND MAINTENANCE SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.
- BMP'S SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS AS APPLICABLE CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.
- ESC PLAN MUST CLEARLY DELINEATE ALL STATE WATERS. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.
- 10. THE CONTRACTOR SHALL MINIMIZE CLEARING AS REQUIRED BY THE GENERAL PERMIT. THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY DELINEATED ON THE SITE BEFORE WORK BEGINS.
- 11. GENERAL CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AREA, EMPLOYEE PARKING AREA, AND AREA FOR PORTABLE FACILITIES. NO VEHICLE CLEANING ALLOWED ON SITE.
- 12. NO TRUCK WASHOUT ALLOWED ON SITE.
- 13. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS SHALL BE MAINTAINED ON SITE AND READILY AVAILABLE FOR USE.

14. DUST ON THE SITE SHALL BE CONTROLLED.

FLANGES AND A LID/COVER.

INLET SPECIFICATIONS AS PER THE PLAN DIMENSION LENGTH AND WIDTH TO MATCH FLAP POCKET

(CAN BE INSTALLED IN ANY INLET TYPE

WITH OR WITHOUT A CURB BOX)

SEDIMENT CONTROL INLET HAT

THE SEDIMENT CONTROL BARRIER SHALL BE A METAL

OR PLASTIC/POLYETHYLENE RISER SIZED TO FIT INSIDE

THE CATCH BASIN/MANHOLE; HAVE PERFORATIONS TO ALLOW

FOR WATER INFILTRATION; HAVE AN OVERFLOW OPENING,

MINIMUM DOUBLE

STITCHED SEAMS ALL

AROUND SIDE PIECES

AND ON FLAP POCKETS

FRONT, BACK, AND

MADE FROM SINGLE

PIECE OF FABRIC.

BOTTOM TO BE

15. SOLID WASTE: CONSTRUCTION WASTE MUST BE DISPOSED OF PROPERLY. AND COMPLY WITH MPCA REQUIREMENTS.

- CATCH BASIN/

MANHOLE

- 16. HAZARDOUS MATERIALS MUST BE PROPERLY STORED IN CONTAINERS, AND PROTECTED FROM **ELEMENTS**
- 17. ALL STORM WATER POLLUTION PREVENTION MEASURES ON THIS PLAN, AND IN THE SWPPP, MUST BE INITIATED PRIOR TO ANY SITE WORK.
- 18. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS STOPPED SHALL BE TEMPORARILY SEEDED. SEEDING WILL BE IN ACCORDANCE WITH MNDOT SPEC. 2575.
- 19. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY ESTABLISHED.
- 20. CONTRACTORS WILL BE RESPONSIBLE FOR REMOVING SEDIMENT FROM CONVEYANCES AND FROM TEMPORARY SEDIMENT BASINS.
- 21. ON AND OFF SITE SOIL STOCK PILES AND BORROW AREAS SHALL BE PROTECTED WITH BMP'S
- 22. TEMPORARY STOCKPILES MUST HAVE SILT FENCE OR OTHER EFFECTIVE SEDIMENT AND EROSION CONTROLS.
- 23. SLOPES SHALL BE LEFT IN A ROUGH CONDITION TO HELP ELIMINATE RILLING.
- 24. DUE TO GRADE CHANGES DURING THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE ESC MEASURES TO PREVENT EROSION AND SEDIMENTATION.
- 25. ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH DAY. THIS INCLUDES BACKFILLING OF TRENCHES AND PLACEMENT OF GRAVEL OR BITUMINOUS.
- 26. NO STOCKPILE OF MATERIALS NOT TO BE USED ON SITE
- 27. ALL EXCESS MATERIALS TO BE REMOVED FROM SITE DAILY.
- 28. NO CONCRETE WASHOUT ALLOWED ON VA PROPERTY TRUCKS TO BE TAKEN OFF SITE.

SITE STAGING

- 1. CONTRACTOR TO PROVIDE A FINALIZED PLAN FOR VA APPROVAL SHOWING PARKING, STAGING, CONSTRUCTION FENCES, AND STORAGE AREAS PRIOR TO ANY WORK TAKING PLACE.
- CONTRACTOR PARKING, STORAGE, AND INITIAL STAGING CAN BE LOCATED ADJACENT TO THE PROJECT AREA AS SHOWN ON THE DRAWINGS.
- 3. MAINTAIN STAFF AND PATIENT ACCESS TO ALL BUILDINGS
- 4. WORK TO BE DONE IN STREETS MUST BE APPROVED BY VA. CONTRACTOR MUST PROVIDE A TRAFFIC CONTROL AND DETOUR PLAN TO VA. ALL EMERGENCY SERVICES MUST BE NOTIFIED.

MAINTENANCE

ENDS SECURELY CLOSED TO

USE REBAR OR STEEL ROD

FOR REMOVAL (FOR INLETS

ROD WITH WOOD 2" X 4"

WIRE OR PLASTIC TIES

EXTEND 10" BEYOND GRATE

WIDTH ON BOTH SIDES, LENGTH

VARIES. SECURE TO GRATE WITH

OVERFLOW HOLES (2" X 4" HOLE SHALL

BE HEAT CUT INTO ALL FOUR SIDE PANELS)

WITH CAST CURB BOX REPLACE

PREVENT LOSS OF OPEN GRADED AGGREGATE FILL. SECURED WITH

ROCK LOG/COMPOST LOG

5' MIN. LENGTH POST

36" GEOTEXTILE

(50 LB TENSILE) HOLDS

GEOTEXTII E IN PLACE

PLASTIC ZIP TIES

ON ALL POSTS

GEOTEXTILE ANCHORAGE

SILT FENCE RING AND ROCK FILTER BERM

USE WHERE INLET DRAINS IN AN AREA WITH SLOPES AT 1:3 or LESS

INLET PROTECTION DETAILS

TYPE 9 MULCH 12" OUT

2.5' MAX

SPACING

ALL MEASURES STATED ON THIS ESC PLAN, AND IN THE SWPPP SHALL BE MAINTAINED UNTIL NO LONGER REQUIRED. ALL ESC MEASURES SHALL BE CLEANED AND REPAIRED IN ACCORDANCE WITH THE **FOLLOWING:**

ADJUST LEVEL OF FILTER

SURFACE ELEV.

SOCK TO BE BELOW ROAD

POP-UP HEAD

MAY BE SUBSTITUTED.

INSTALLATION NOTES:

SEE SPECS. 2573, 3137, 3886 & 3891.

DIRECTIONS, MEETING SPEC. 3886.

TO ACHIEVE THE 3 INCH SIDE CLEARANCE.

FLOODING OF THE ROADWAY.

MANUFACTURED ALTERNATIVES LISTED ON Mn/DOT'S APPROVED PRODUCTS LIST

ALL GEOTEXTILE USED FOR INLET PROTECTION SHALL BE MONOFILAMENT IN BOTH

FINISHED SIZE, INCLUDING POCKETS WHERE REQUIRED SHALL EXTEND A MINIMUM OF

10 INCHES AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE. THE

INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE OF 3 INCHES BETWEEN

4) FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2 INCH X 4 INCH OR USE A

(5) SOCK HEIGHT MUST NOT BE SO HIGH AS TO SLOW DOWN WATER FILTRATION TO CAUSE

GEOTEXTILE SOCK BETWEEN 4-10 FEET LONG AND 4-6 INCH DIAMETER. SEAM TO BE

IOINED BY TWO ROWS OF STITCHING WITH A PLASTIC MESH BACKING OR PROVIDE A

AGGREGATE CONSISTING OF SOUND DURABLE PARTICLES OF COARSE AGGREGATE

CONFORMING TO SPEC. 3137 TABLE 3137-1; CA-3 GRADATION.

HEAT BONDED SEAM (OR APPROVED EQUIVALENT). FILL ROCK LOG WITH OPEN GRADED

THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES WHERE NECESSARY THE CONTRACTOR SHALL CLINCH THE BAG, USING PLASTIC ZIP TIES,

DO NOT INSTALL FILTER BAG INSERT IN INLETS SHALLOWER THAN 30 INCHES.

PERSPECTIVE VIEW

- 3/16" THICK (MIN.)

SECTION

(DOWN POSITION)

STEEL PLATE

- 1. ALL STORM DRAIN INLETS MADE OPERABLE DURING CONSTRUCTION MUST BE PROTECTED BY BMP'S UNTIL ALL SOURCES WITH POTENTIAL FOR DISCHARGING TO THE INLET HAVE BEEN STABILIZED.
- 2. ALL SODDED AREAS SHALL BE CHECKED TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE WATERED AND FERTILIZED AS NEEDED.
- 3. SILT FENCE SHALL BE REPAIRED OR REPLACED TO ORIGINAL CONDITION BY THE CONTRACTOR IF DAMAGED. SEDIMENT MUST BE REMOVED WHEN IT REACHES ONE THIRD THE HEIGHT OF THE SILT FENCE. THIS WORK MUST BE DONE WITHIN 24 HOURS OF DISCOVERY.
- 4. VEHICLE TRACKING OF SEDIMENT FROM THE CONSTRUCTION SITE MUST BE MINIMIZED BY BMP'S. STREET SWEEPING MUST BE USED IF BMP'S ARE NOT ADEQUATE TO PREVENT TRACKING. TRACED SEDIMENT MUST BE REMOVED WITHIN 24 HOURS.
- 5. THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION.

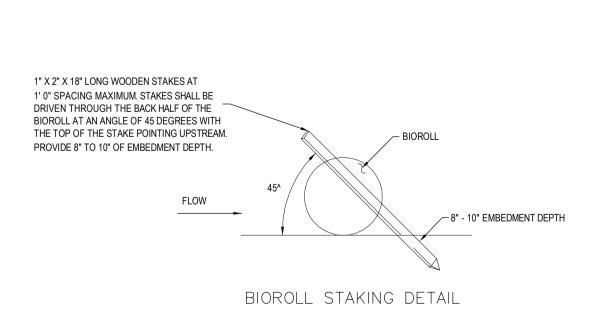
6" DIAMETER

SECTION

(UP POSITION)

DROP INLET WITH GRATE

POLYETHYLENE



BIOROLL STAKING DETAIL

100% CD'S - FOR CONSTRUCTION





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DATE: 02-19-2013

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. DETAILS DEMOLISH TRESTLE AT BOILER PLANT ||AS NOTED PROJECT NO. ||656-13-229 CHECKED BY DRAWN BUILDING No DJF | GMD VA MEDICAL CENTER ST.CLOUD, MN 56303



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